NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'C'

STREETLIGHT CIRCUIT 'C2' CAPACITY VERIFICATION

LOCATION: SOUTHEAST ENTRANCE

SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) x 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
42 EA - 100 WATT @ 1.0 AMPS EACH	=	42.0 AMPS
TOTAL PROPOSED LOAD	=	42.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	42.0 AMPS
REMAINING AVAILABLE LOAD	=	6.0 AMPS

STREETLIGHT CIRCUIT 'C2' CAPACITY VERIFICATION

LOCATION: SOUTHEAST ENTRANCE

SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) x 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
36 EA - 100 WATT @ 1.0 AMPS EACH	=	36.0 AMPS
TOTAL PROPOSED LOAD	=	36.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	36.0 AMPS
REMAINING AVAILABLE LOAD	=	12.0 AMPS

NEW STREETLIGHT SERVICE PEDESTAL CIRCUIT 'D'

STREETLIGHT CIRCUIT 'D2' CAPACITY VERIFICATION

LOCATION: PHASE 2 BETWEEN LOT 604 & 605 IN CULDESAC

SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
25 EA - 100 WATT @ 1.0 AMPS EACH	=	25.0 AMPS
TOTAL PROPOSED LOAD	=	25.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	25.0 AMPS
REMAINING AVAILABLE LOAD	=	23.0 AMPS

STREETLIGHT CIRCUIT 'D2' CAPACITY VERIFICATION

LOCATION: PHASE 2 BETWEEN LOT 604 & 605 IN CULDESAC

SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
36 EA - 100 WATT @ 1.0 AMPS EACH	=	36.0 AMPS
TOTAL PROPOSED LOAD	=	36.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	36.0 AMPS
REMAINING AVAILABLE LOAD	=	12.0 AMPS

STREETLIGHT CIRCUIT 'D2' CAPACITY VERIFICATION

LOCATION: PHASE 2 BETWEEN LOT 604 & 605 IN CULDESAC

SERVICE PEDESTAL CAPACITY	=	125 AMPS
CIRCUIT BREAKER	=	60 AMPS
MAXIMUM ALLOWABLE DRAW (0.80) X 60 AMPS	=	48 AMPS
EXISTING CIRCUIT LOAD	=	0 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT		
48 EA - 100 WATT @ 1.0 AMPS EACH	=	48.0 AMPS
TOTAL PROPOSED LOAD	=	48.0 AMPS
EXISTING PLUS PROPOSED LOAD	=	48.0 AMPS
REMAINING AVAILABLE LOAD	=	0.0 AMPS

LIGHTING CONSTRUCTION NOTES

1. INSTALL 100W HPS LUMINAIRE PER DET. NO. 314 ON SHT D15
2. INSTALL 1 1/4" STREETLIGHT CONDUIT AND WIRE PER DET. NO. 601 ON SHT D15
3. INSTALL 120 AMP SERVICE PEDESTAL PER DET. NOS. 330 & 331 ON SHT D15
4. INSTALL PULL BOX PER DET. NOS. 329 & 328 ON SHT D15

TRAFFIC CONSTRUCTION NOTES

1. INSTALL W4-2 " NO OUTLET"
2. INSTALL "NO PARKING FIRE LANE SIGN" PER DETAIL THIS SHEET
3. INSTALL SIZE R2-1 (25 MPH) "SPEED LIMIT SIGN"
4. INSTALL 30" R1-1 "STOP SIGN" W/ (2) 9" D3 "STREET NAME SIGNS"
5. REMOVE EXISTING BARRICADE

NOTES:
INSTALL ALL NOTES USED ON THIS SHEET.
ALL SIGNAGE SHALL BE PER THE LATEST MUTCD MANUAL

BASIS OF BEARINGS

NORTH 00°03'38" EAST - THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 35, TOWNSHIP 16 NORTH, RANGE 19 WEST OF THE GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (A83-WEST), WEST ZONE, UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

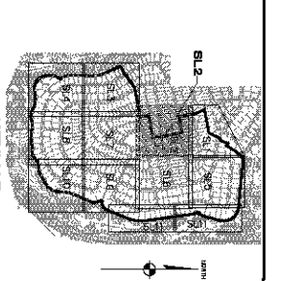
M.C.S.D. "SD 32" - LATITUDE: 35°09'22.07004"N, (NAD 83)
LONGITUDE: 114°09'21.07240"W, (NAD 83)
HEIGHT: 2582.463811ft. (NAVD88)

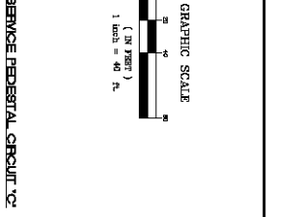
STONE: 1/4 COR 3/2 - LATITUDE: 35°09'55.53385"N, (NAD 83)
LONGITUDE: 114°10'36.77281"W, (NAD 83)
HEIGHT: 2498.205458ft (NAVD88)

BENCHMARK

BENCHMARK: #"SD 34" M.C.S.D.
ELEVATION= 2580.34273 FT (NAVD 88)

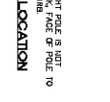
DESCRIPTION: ALUM CAP 2" DIA. SET IN CONC. 85 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 20 N., R.18 W. AND THE NORTHEAST CORNER OF SHERAMAN DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343"





LEGEND

- PROPOSED 100 W HPS LUMINAIRE
- NO. 3-1/2" PULL BOX
- SERVICE PEDESTAL
- PROPOSED STREET SIGNS
- PROPOSED STOP SIGN W/ (2) STREET NAME SIGNS
- PROPOSED BARRICADE



NOTE:
LOCATIONS WHERE LIGHT POLE IS NOT ADJACENT TO A SIDEWALK, FACE OF POLE TO BE 3' FROM BACK OF CURB.

STREETLIGHT LOCATION

N.T.S.

DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR THEIR PROPER LOCATION.

Arizona Blue Stake, Inc. — Arizona Law requires you to notify Blue Stake, Inc. at least two full working days before you dig. Call 1-800-782-5348 (Non-members call 602-263-1100)

Nevada One Call — Nevada Law requires you to notify Nevada One Call at least two full working days before you Call Dig or Excavate Overhead. 1-928-753-5581

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 04/12/06

RHODES HOMES ARIZONA, LLC
GOLDEN VALLEY RANCH

AREA 2 PHASE B
STREET LIGHT AND TRAFFIC CONTROL PLAN 2

MOHAVE COUNTY ARIZONA

SHEET SL2
34 OF 79 SHEETS
SCI PROJECT# 18-178.24-22

Stanley Consultants INC.
5820 S. Eastern Avenue, Suite 200
Las Vegas, Nevada 89119
(702) 369-6396 Fax (702) 369-9793
www.stanleygroup.com

SCALE (H) 1"=40'
SCALE (V) N/A
DRAWN BY GA
CHECKED BY SH/DB
DATE 04-12-06

REV. NO.	DESCRIPTION	DRAWN BY	APPROVAL	DATE